

**AMENDMENTS TO THE SPECIFICATION**

Please amend the first paragraph of page 1 as follows:

This application claims the benefit of U.S. provisional application Serial No. 60/155,505, filed September 22, 1999, entitled *Key Escrow Systems*, now abandoned.

Please amend the paragraph beginning "For the DG illustrated in FIGURE 2 ..." on page 38, line 18 as follows:

For the DG illustrated in FIGURE 2, the input to output transfer relationships can be written for a generic multiplier cell as:

$$X_{out} = (X_{in} + x_j * n_i + a_i * b_j + t_{in}) \bmod 2,$$

$$c_{out} = (X_{in} + x_j * n_i + a_i * b_j + t_{in}) \div 2,$$

$$x_j = X_{in} \bmod 2,$$

$$a_{out} = a_{in},$$

$$b_{out} = b_{in}$$

$$\cancel{n_{out}} \quad \cancel{n_{in}} \quad \underline{n_{out} = n_{in}}$$

Please amend the paragraph beginning "The input to output transfer relationships for the generic DG cell ..." on page 42, line 11 as follows:

The input to output transfer relationships for the generic DG cell are subsequently given by:

$$\cancel{X_{out} = (X_{in} + x_j * n_k + e_{in}) \bmod 2} \quad \underline{X_{out} = (X_{in} + x_j * n_k + c_{in}) \bmod 2},$$

$$c_{out} = (X_{in} + x_j * n_k + c_{in}) \div 2,$$

$$x_j = X_{in} \bmod 2,$$

$$\cancel{x_j = X_{in} \bmod 2} \quad \underline{x_j = X_{in} \bmod 2}.$$